

Title (en)
Vibration isolating apparatus

Title (de)
Vorrichtung zur Schwingungsisolierung

Title (fr)
Dispositif d'isolation de vibrations

Publication
EP 0690244 B1 20000426 (EN)

Application
EP 95110257 A 19950701

Priority
• JP 15029994 A 19940701
• JP 26513394 A 19941028

Abstract (en)
[origin: EP0690244A1] A vibration isolating apparatus disposed between a vibration generating portion which generates vibration and a vibration receiving portion, said vibration isolating apparatus reducing vibration, and said vibration isolating apparatus being characterized by comprising: a first mounting member (12); a second mounting member (24); an elastic body (22) provided between the first mounting member (12) and the second mounting member (24); a main fluid chamber (32), the elastic body (22) forming a portion of a partitioning wall of the main fluid chamber (32) such that the main fluid chamber (32) can expand and contract; a first auxiliary fluid chamber (34) disposed so as to be separated from the main fluid chamber (32); a first restricting passage (52) communicating the main fluid chamber (32) and the first auxiliary fluid chamber (34); a second auxiliary fluid chamber (70) disposed so as to be separated from the main fluid chamber (32); a second restricting passage (46) communicating the main fluid chamber (32) and the second auxiliary fluid chamber (70); a first diaphragm (18) forming a portion of a partitioning wall of the first auxiliary fluid chamber (34); a second diaphragm (68) forming a portion of a partitioning wall of the second auxiliary fluid chamber (70); an air chamber (74) disposed in opposition to the second auxiliary fluid chamber (70) with the second diaphragm (68) being interposed between the air chamber (74) and the second auxiliary fluid chamber (70), the air chamber (74) being filled with air; and a switching valve (82) which when open, communicates the air chamber (74) with outside air, and when closed, closes the air chamber (74) off from the outside air. <MATH>

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CPC (source: EP US)
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Cited by
FR2900268A1; US2014110558A1; EP0754878A1; US5839720A; EP0851144A1; US6082717A; EP0851145A1; US6017024A; CN107127587A; WO2017140814A1

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